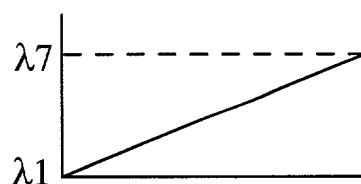




position in focal plane

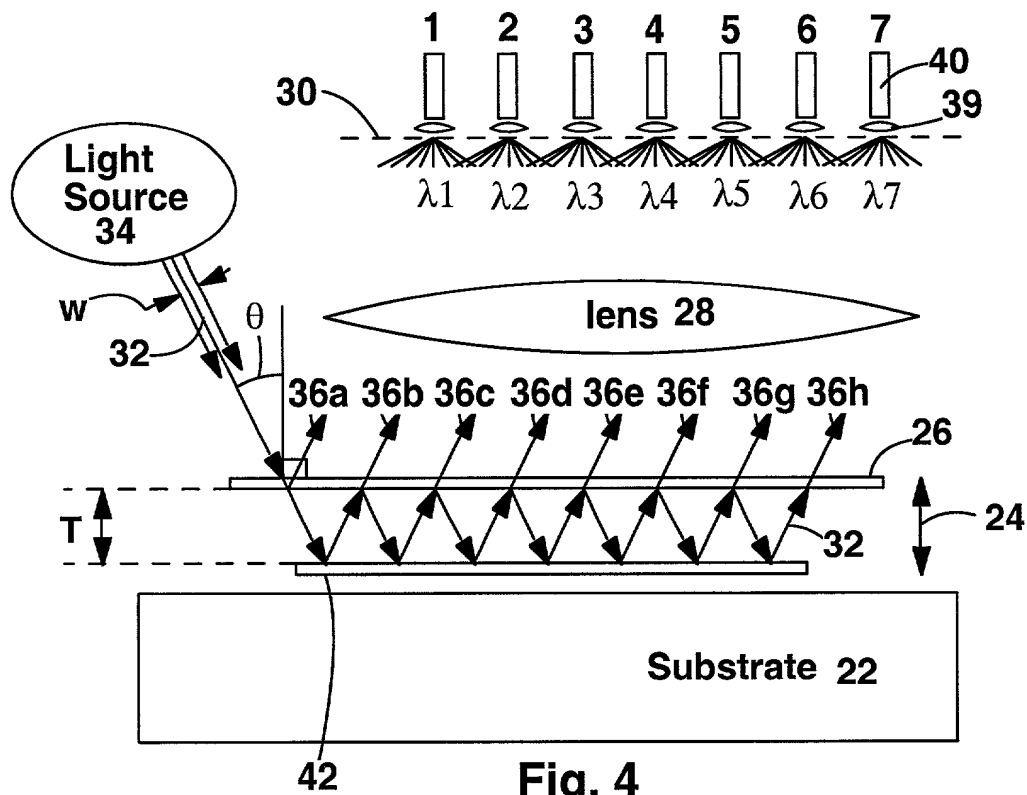


position in focal plane



Fig. 3

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column 1

column 8

| | | | | | | | | |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 7 | λ_7 | λ_1 | λ_2 | λ_3 | λ_4 | λ_5 | λ_6 | λ_7 |
| 6 | λ_6 | λ_7 | λ_1 | λ_2 | λ_3 | λ_4 | λ_5 | λ_6 |
| 5 | λ_5 | λ_6 | λ_7 | λ_1 | λ_2 | λ_3 | λ_4 | λ_5 |
| 4 | λ_4 | λ_5 | λ_6 | λ_7 | λ_1 | λ_2 | λ_3 | λ_4 |
| 3 | λ_3 | λ_4 | λ_5 | λ_6 | λ_7 | λ_1 | λ_2 | λ_3 |
| 2 | λ_2 | λ_3 | λ_4 | λ_5 | λ_6 | λ_7 | λ_1 | λ_2 |
| 1 | λ_1 | λ_2 | λ_3 | λ_4 | λ_5 | λ_6 | λ_7 | λ_1 |

Optical Fiber

low (large T) Mirror 42 Position high (small T)

Fig. 5

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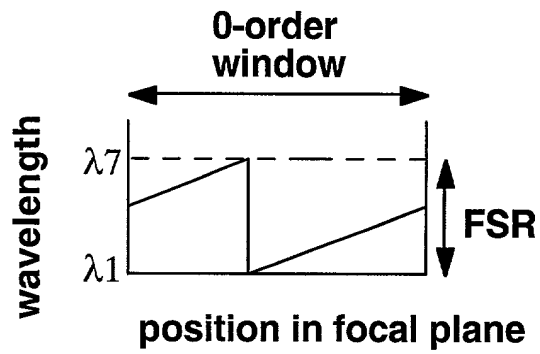


Fig. 6

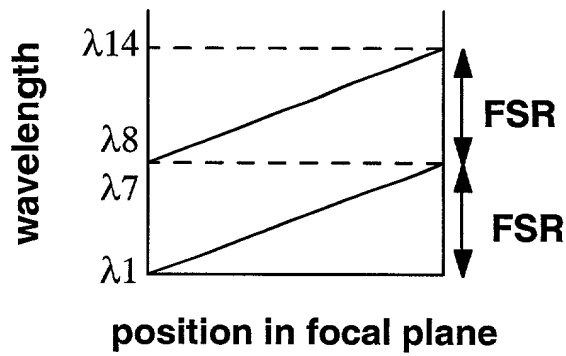


Fig. 7

| | | | | | | | | |
|------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Optical Fiber | 7 | λ_7 λ_{14} | λ_1 λ_8 | λ_2 λ_9 | λ_3 λ_{10} | λ_4 λ_{11} | λ_5 λ_{12} | λ_6 λ_{13} |
| | 6 | λ_6 λ_{13} | λ_7 λ_{14} | λ_1 λ_8 | λ_2 λ_9 | λ_3 λ_{10} | λ_4 λ_{11} | λ_5 λ_{12} |
| | 5 | λ_5 λ_{12} | λ_6 λ_{13} | λ_7 λ_{14} | λ_1 λ_8 | λ_2 λ_9 | λ_3 λ_{10} | λ_4 λ_{11} |
| | 4 | λ_4 λ_{11} | λ_5 λ_{12} | λ_6 λ_{13} | λ_7 λ_{14} | λ_1 λ_8 | λ_2 λ_9 | λ_3 λ_{10} |
| | 3 | λ_3 λ_{10} | λ_4 λ_{11} | λ_5 λ_{12} | λ_6 λ_{13} | λ_7 λ_{14} | λ_1 λ_8 | λ_2 λ_9 |
| | 2 | λ_2 λ_9 | λ_3 λ_{10} | λ_4 λ_{11} | λ_5 λ_{12} | λ_6 λ_{13} | λ_7 λ_{14} | λ_1 λ_8 |
| | 1 | λ_1 λ_8 | λ_2 λ_9 | λ_3 λ_{10} | λ_4 λ_{11} | λ_5 λ_{12} | λ_6 λ_{13} | λ_7 λ_{14} |
| | | Mirror Position | | | | | | |
| | | low (large T) | | | | | high (small T) | |

Fig. 8

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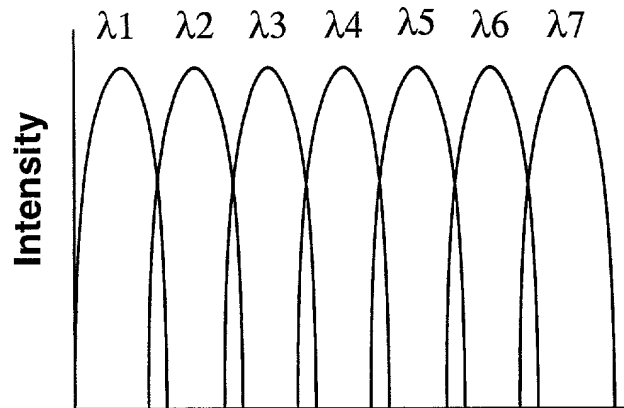


Fig. 9a Focal Plane Position

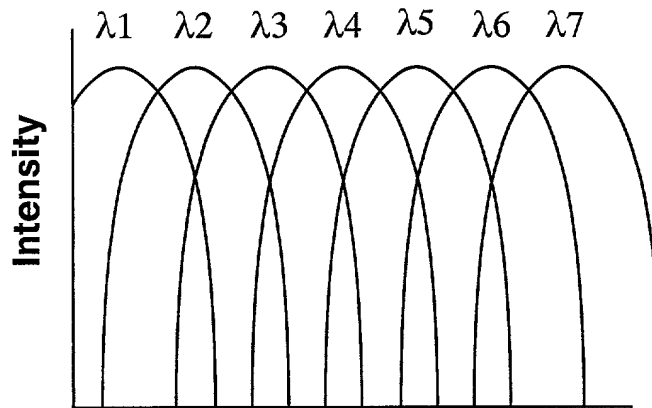


Fig. 9b Focal Plane Position

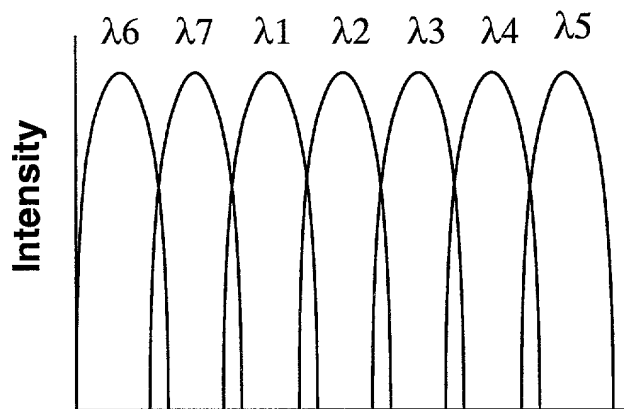


Fig. 10 Focal Plane Position

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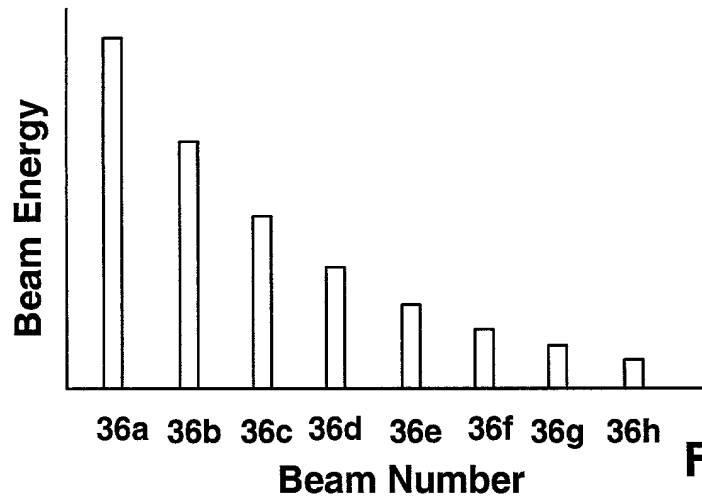


Fig. 11

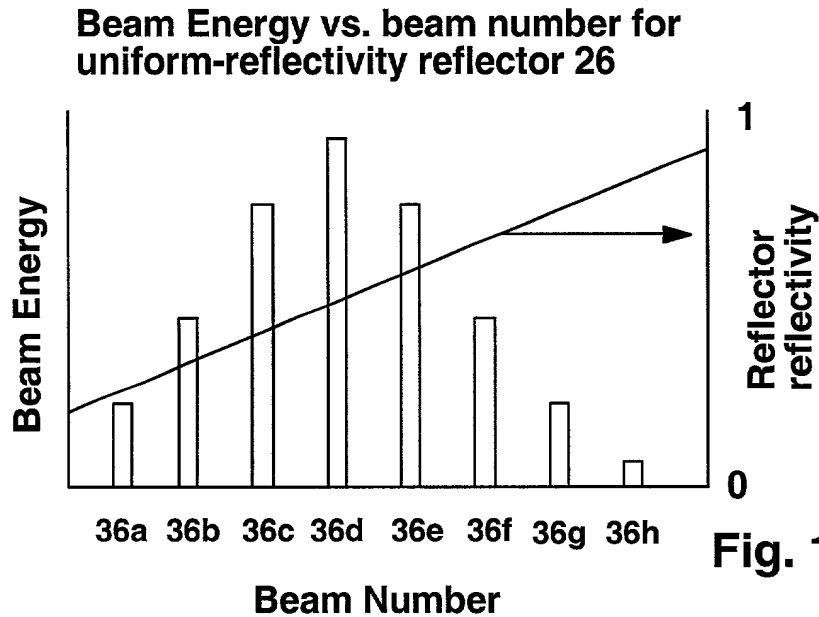


Fig. 12

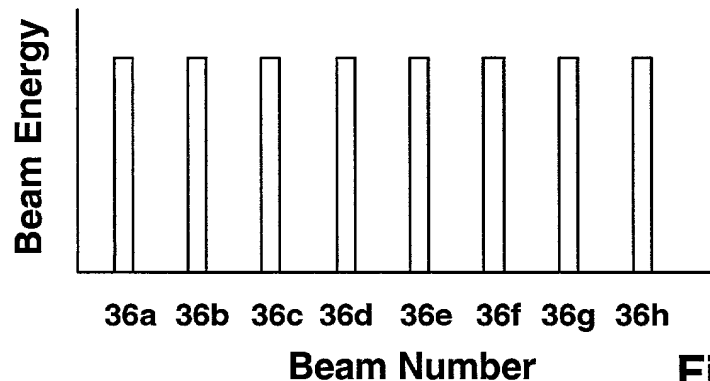
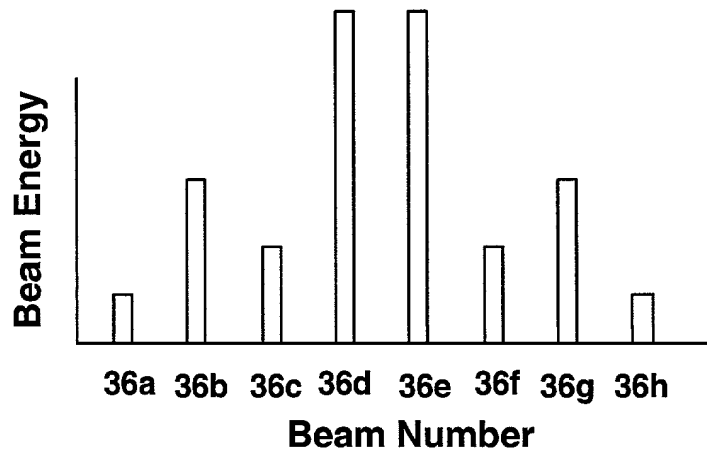


Fig. 13

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Beam Energy vs. beam number
Sinc function- energy distribution

Fig. 14

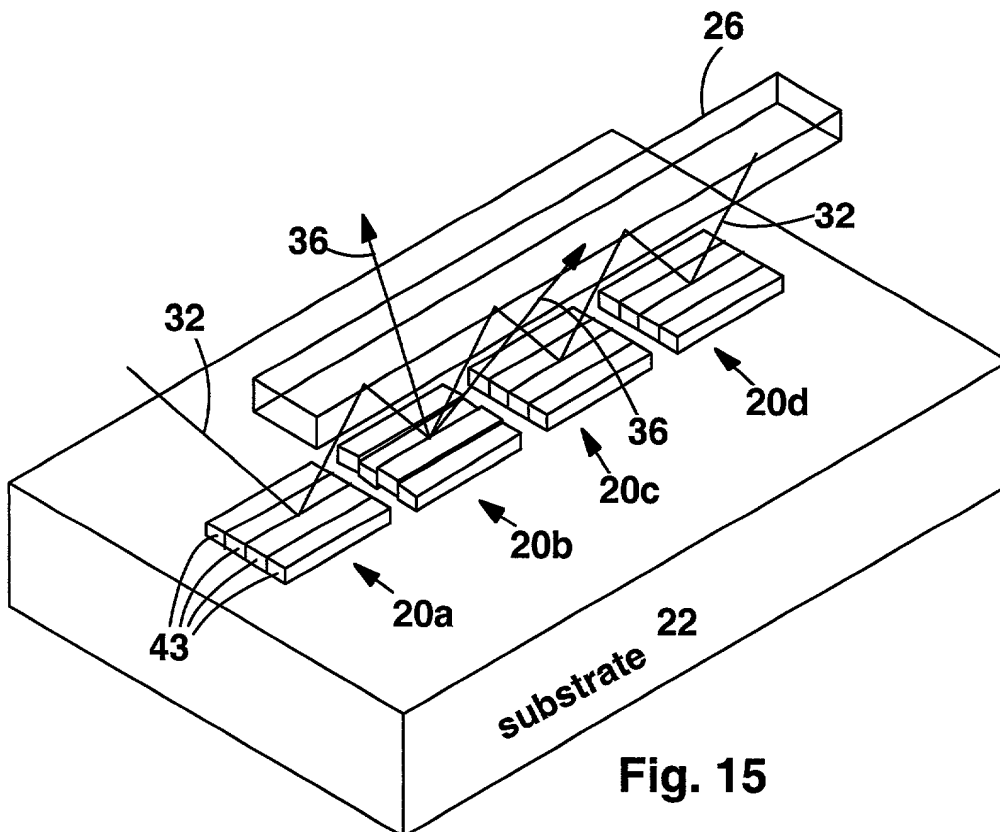
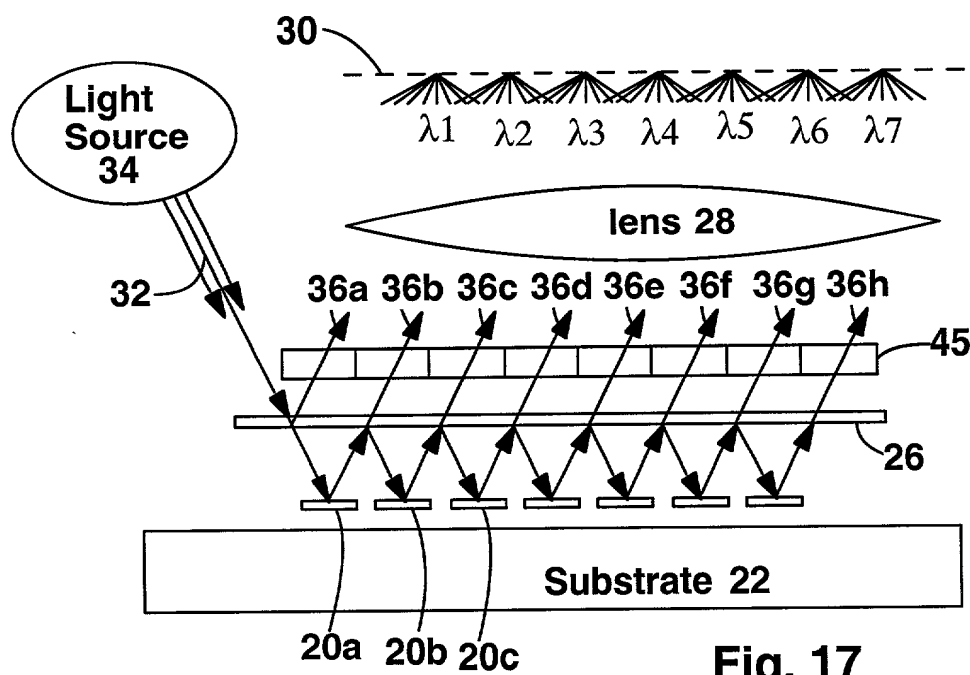
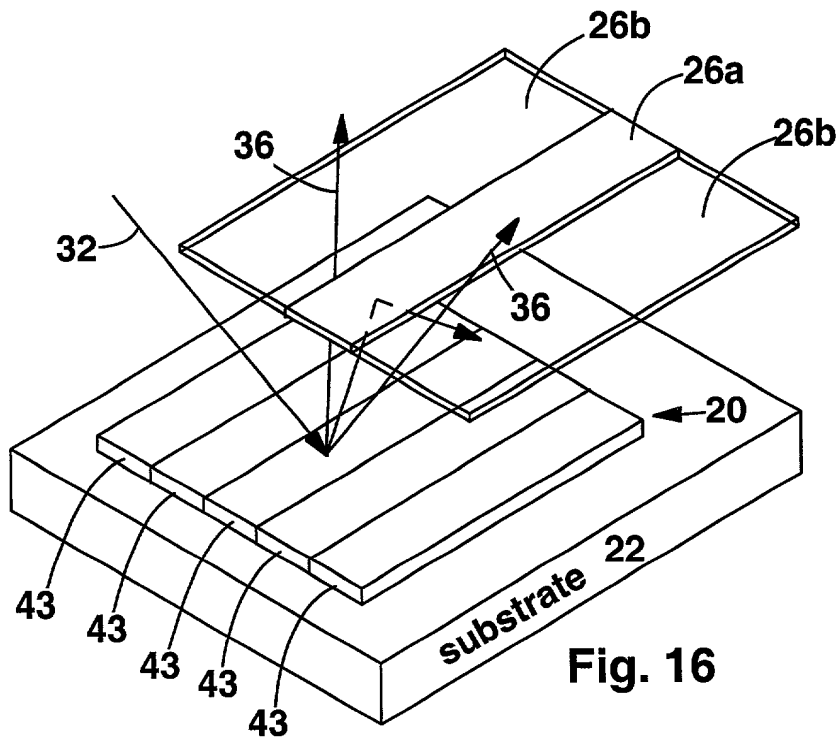


Fig. 15

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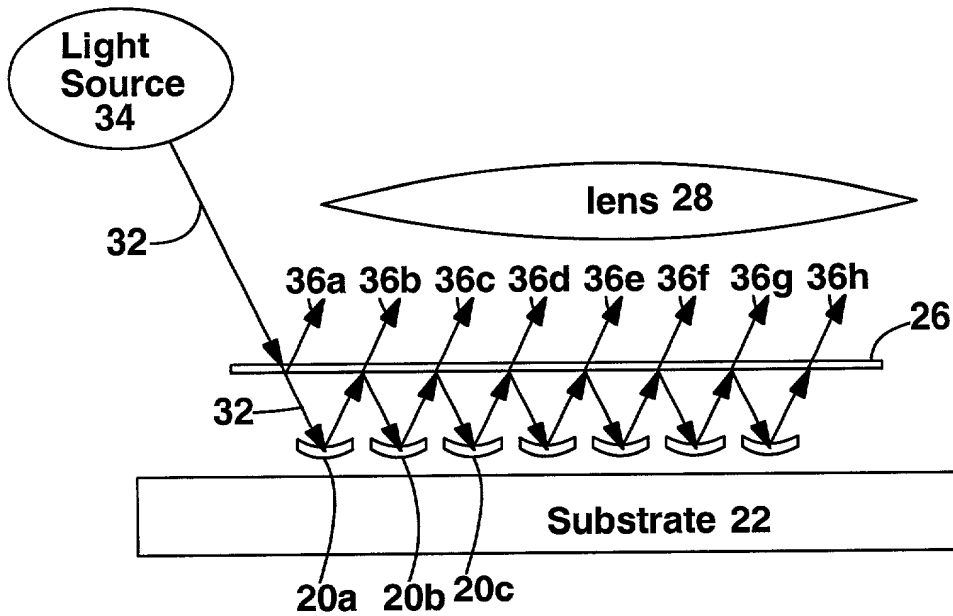


Fig. 18

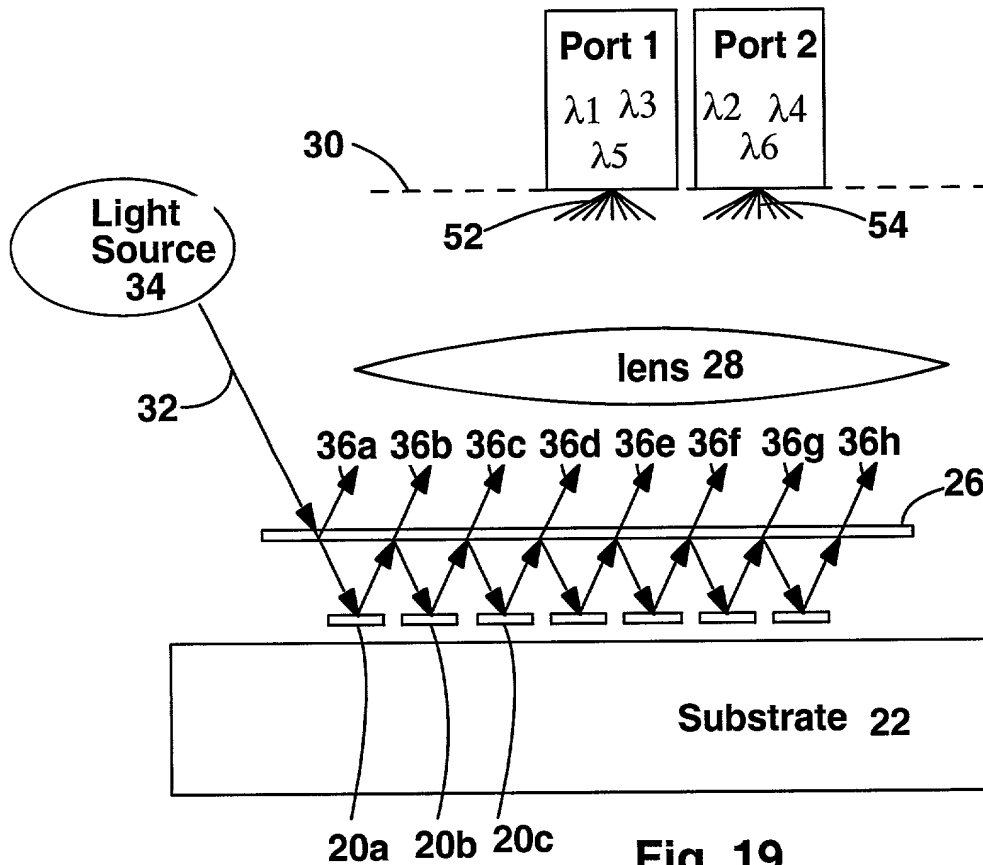


Fig. 19

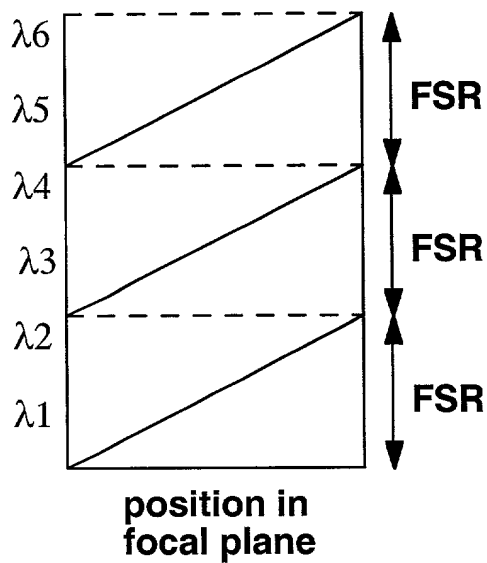


Fig. 20

Port 2

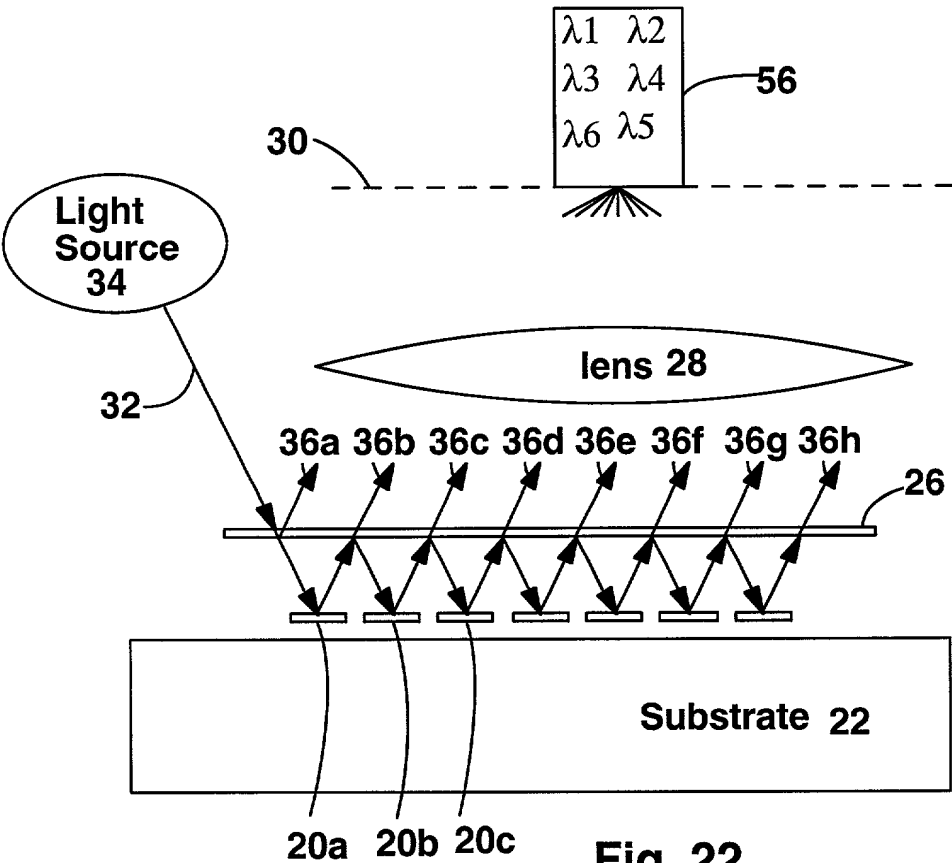
| | |
|---------------------------------|---------------------------------|
| $\lambda_2 \lambda_4 \lambda_6$ | $\lambda_1 \lambda_3 \lambda_5$ |
|---------------------------------|---------------------------------|

Port 1

| | |
|---------------------------------|---------------------------------|
| $\lambda_1 \lambda_3 \lambda_5$ | $\lambda_2 \lambda_4 \lambda_6$ |
|---------------------------------|---------------------------------|

Mirror Position

Fig. 21



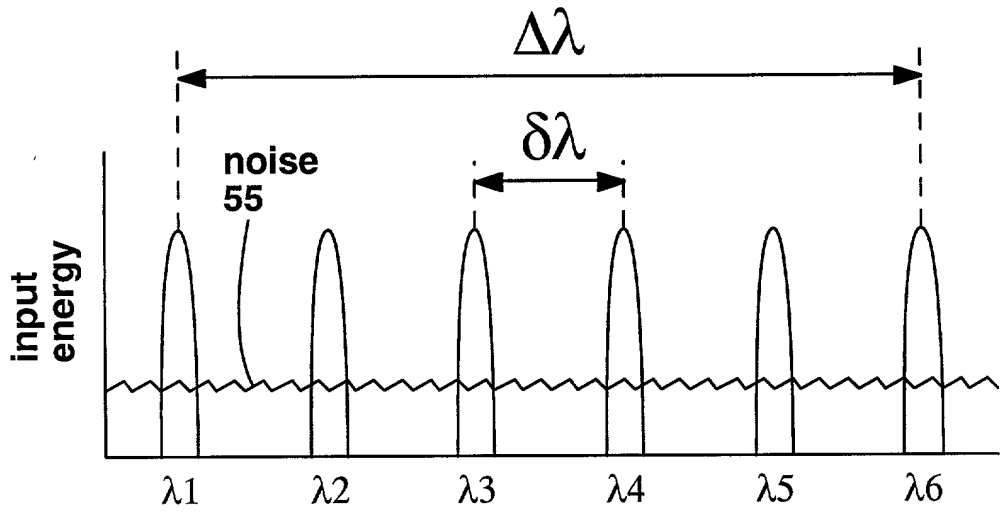


Fig. 23a

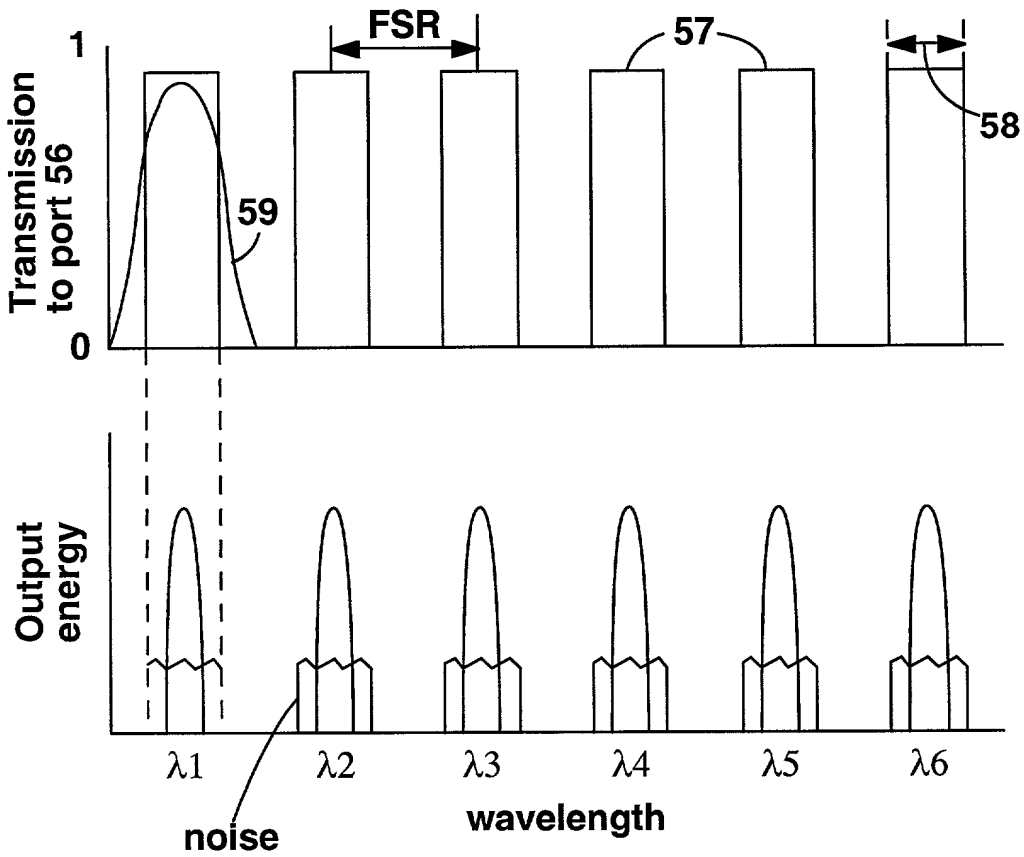


Fig. 23b

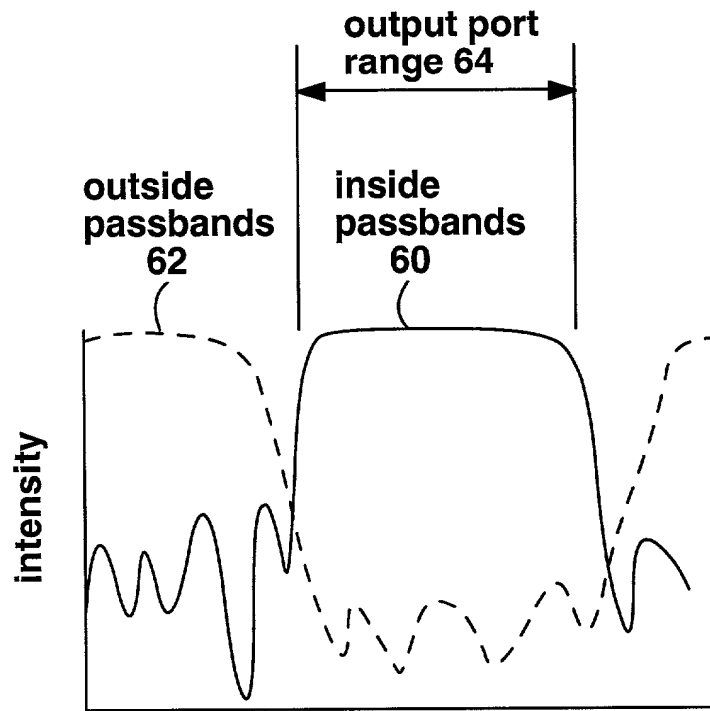


Fig. 24 position in focal plane

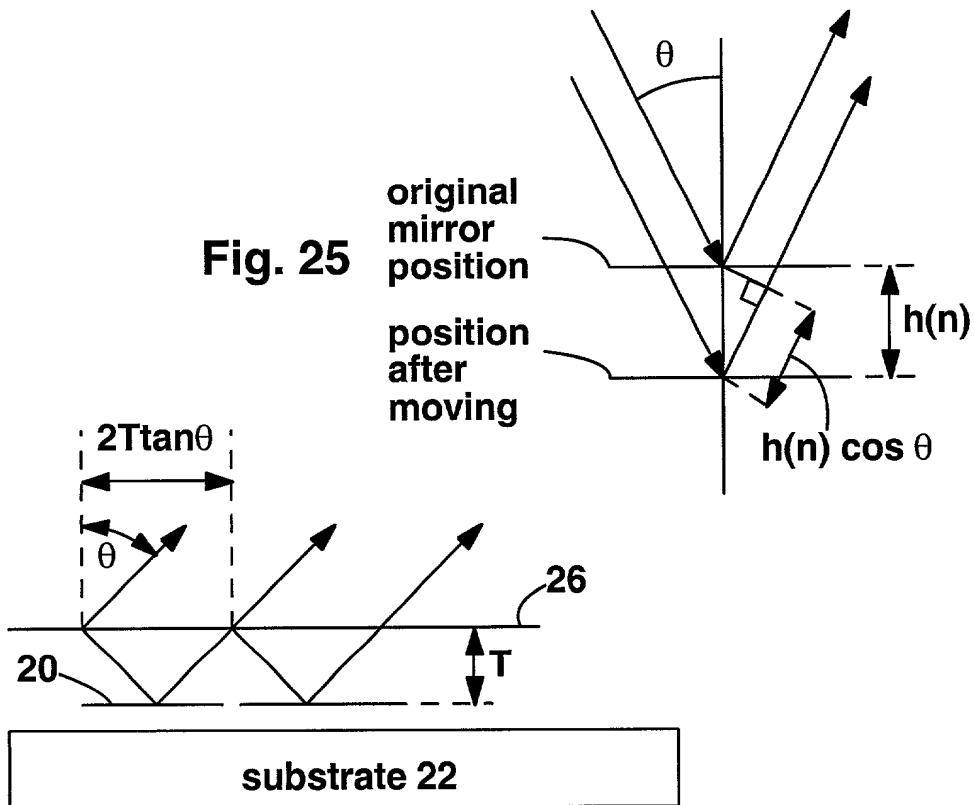


Fig. 26

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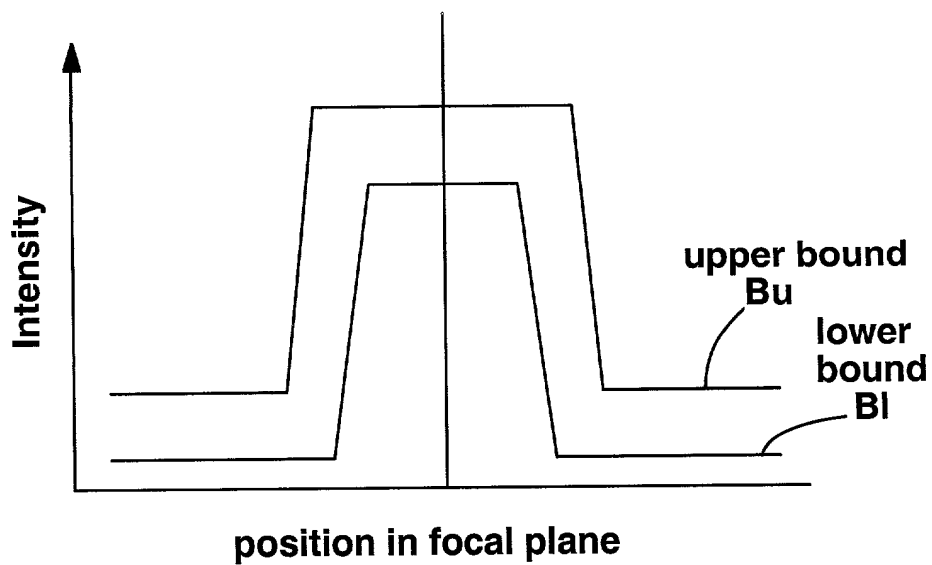


Fig. 27

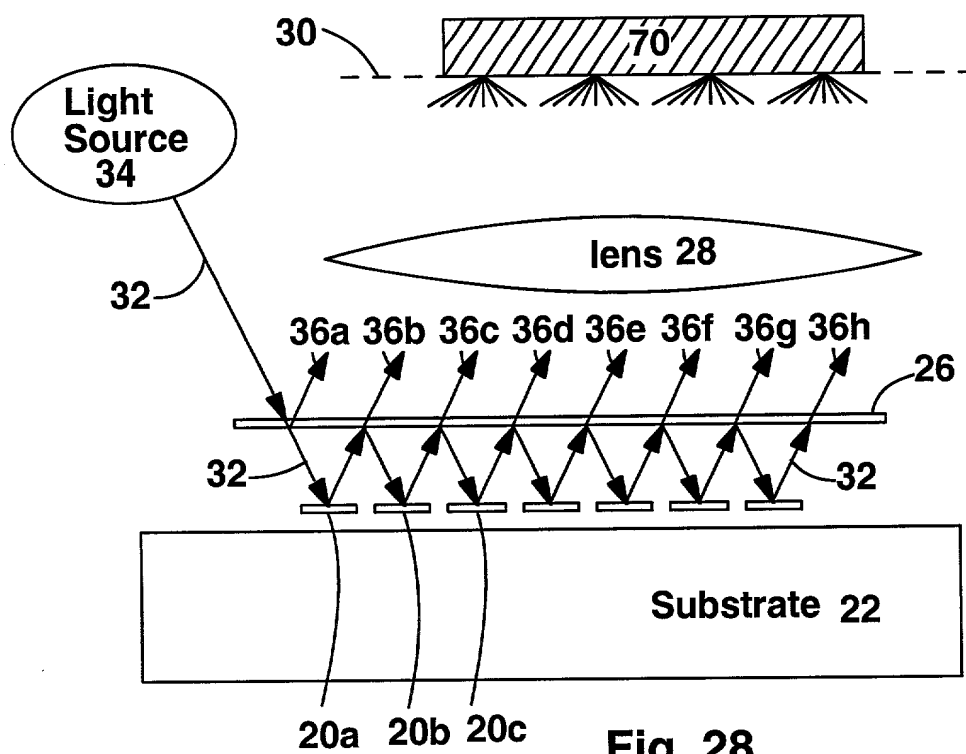


Fig. 28

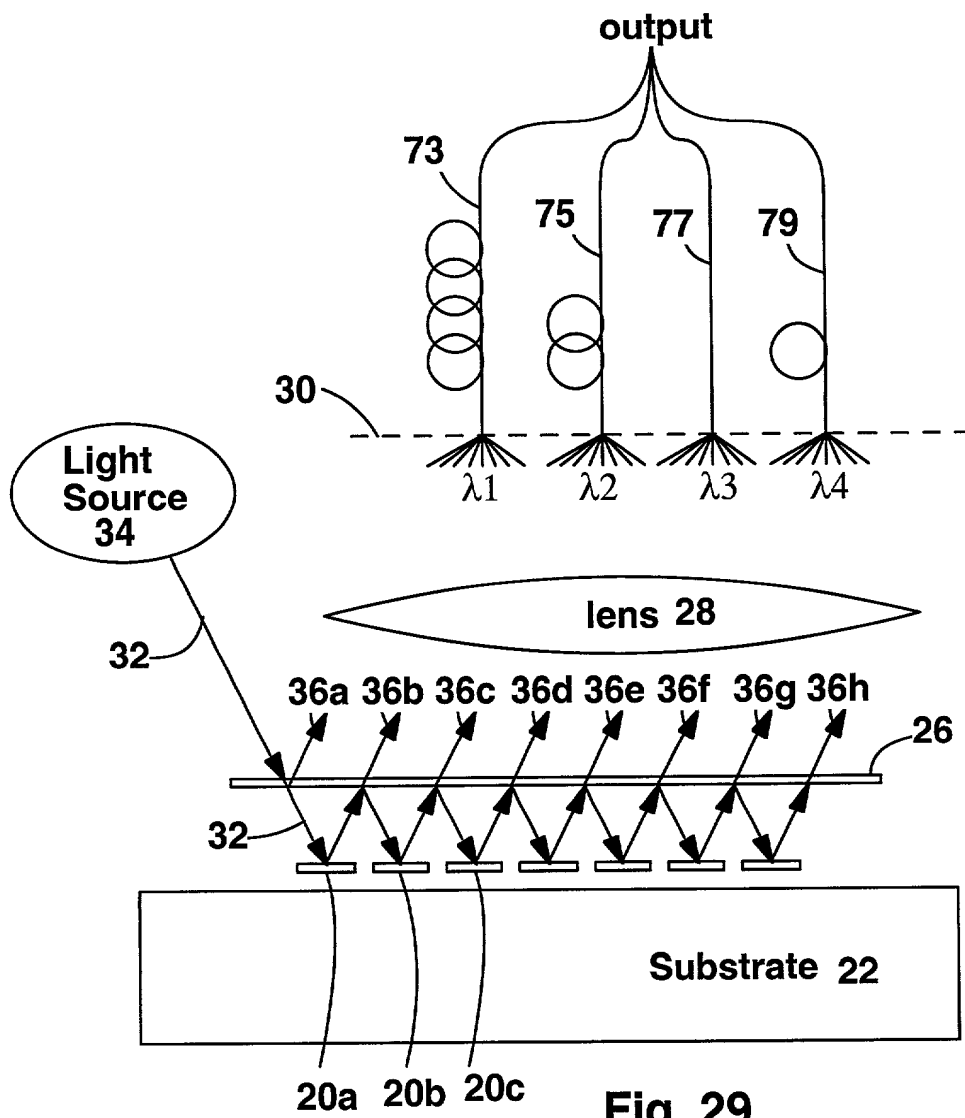


Fig. 29

